

CLAIMS

1. A laser weldable polybutylene
terephthalate-series resin composition which comprises a
5 polybutylene terephthalate-series resin (A) and at least
one resin (B) selected from the group consisting of a
polycarbonate-series resin (b1), a styrenic resin (b2),
a polyethylene terephthalate-series resin (b3) and an
acrylic resin (b4).
- 10 2. A resin composition according to claim 1,
wherein the polybutylene terephthalate-series resin (A)
comprises a polybutylene terephthalate or a polybutylene
terephthalate-series copolymer modified with a
copolymerizable monomer.
- 15 3. A resin composition according to claim 2,
wherein the copolymerizable monomer comprises at least one
member selected from the group consisting of a bisphenol
compound or an adduct thereof with an alkylene oxide, and
an asymmetrical aromatic dicarboxylic acid or a derivative
20 thereof capable of forming an ester.
4. A resin composition according to claim 2,
wherein the copolymerizable monomer comprises at least one
member selected from the group constituting of phthalic
acid, isophthalic acid, and an adduct of bisphenol A with
25 an alkylene oxide, and a reactive derivative thereof.
5. A resin composition according to claim 1,
wherein the ratio of the resin (B) relative to the

polybutylene terephthalate-series resin (A) [the former (B)/the latter (A)] is 0.1/1 to 1.5/1 (weight ratio).

6. A resin composition according to claim 1, which has a light transmittance of not less than 15% for a wavelength of 800 to 1100nm at a thickness of 3mm in a shaped article formed from the resin composition by an injection molding.

7. A resin composition according to claim 1, which further comprises a reinforcer capable of transmitting a laser beam.

8. A resin composition according to claim 1, which further comprises a glass fiber.

9. A laser weldable polybutylene terephthalate-series resin composition which comprises at least one polybutylene terephthalate-series resin (A) selected from the group consisting of a polybutylene terephthalate and a polybutylene terephthalate-series copolymer modified with 0.01 to 30 mol% of a copolymerizable monomer, and

at least one resin (B) selected from the group consisting of a polycarbonate-series resin (b1), a styrenic resin (b2), a polyethylene terephthalate-series resin (b3) and an acrylic resin (b4),

wherein the ratio of the resin (B) relative to the polybutylene terephthalate-series resin (A) [the former (B)/the latter (A)] is 0.1/1 to 1.5/1 (weight ratio), and the copolymerizable monomer comprises at least one

member selected from the group consisting of phthalic acid, isophthalic acid, an adduct of bisphenol A with an alkylene oxide, and a reactive derivative thereof.

10. A shaped article formed from a resin
5 composition recited in claim 1.

11. A shaped composite article comprising a
shaped article formed from a resin composition recited in
claim 1, and a counterpart shaped article formed from a
resin, wherein the shaped article is bonded to the
10 counterpart shaped article through a welding by a laser.